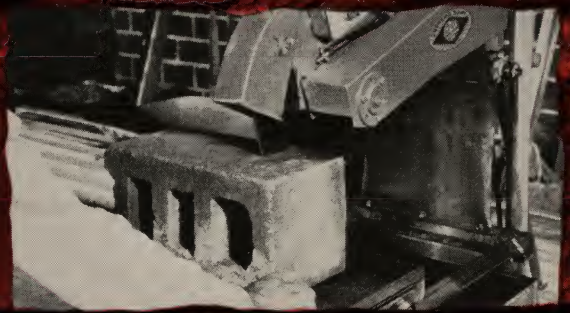


ABRASIVE PRODUCTS FOR THE BUILDING TRADE



**BAY
STATE**

®

WHEELS of PROGRESS

BAY STATE ABRASIVE PRODUCTS CO., Westboro, Mass., U.S.A.

MASONRY BLADE RECOMMENDATIONS

IMPORTANT: An abrasive blade "sharpens" itself by losing grains which become dull. The following recommendations show the *rate* of self-sharpening. Series 100 blades sharpen themselves slowly, for soft materials; 200 series at a medium rate, for medium hard materials; and 300 series at a faster rate, for hard materials. Inside this book, the first digit of each catalog number shows the series.

Series Recommended for

M A T E R I A L S	SPEE-D-CUT BG2	BLUE-FLASH	SPEE-D-CUT	SAF-T-CUT	GEM-SET
	Side Reinforced	Center Reinforced	Non-Reinforced	Reinforced	Diamond
Acid Resistant Brick	SR-300	CR-300	R-300	—	D-300
Arizona Flagstone	SR-200	CR-200	R-200	—	D-100
Austin Stone	SR-100	CR-100	R-100	SC-100	D-100
Bedford Stone	SR-300	CR-300	R-300	—	D-200
Brick, Building (Soft)	SR-100	CR-100	R-100	SC-100	D-100
(Medium)	SR-200	CR-200	R-200	—	D-100
(Hard)	SR-300	CR-300	R-300	—	D-100
Brick, Carbon	SR-200	CR-200	R-200	—	D-100
Face	SR-300	CR-300	R-300	—	D-100
Fireclay	SR-200	CR-200	R-200	—	D-100
Insulating	SR-100	CR-100	R-100	SC-100	D-100
Magnesite or Chrome	SR-300	CR-300	R-300	—	D-200
Refractory	SR-200	CR-200	R-200	—	D-100
Seattle SCR	SR-300	CR-300	R-300	—	D-100
Silica	SR-300	CR-300	R-300	—	D-300
Silicon Carbide	—	—	—	—	D-300
Sillimanite	SR-200	CR-200	R-200	—	D-100
Stiff Mud	SR-200	CR-200	R-200	—	D-100
Super Duty	SR-300	CR-300	R-300	—	D-100
Vitreous	—	—	—	—	D-300
Semi-Vitreous	—	—	—	—	D-200
Carbon (Coarse Grain)	SR-300	CR-300	R-300	—	D-200
Cement Products (Porous)	SR-200	CR-200	R-200	—	D-100
Cinder Block	SR-100	CR-100	R-100	SC-100	D-100
Coke Specimens	SR-200	CR-200	R-200	—	D-100
Concrete	SR-100	CR-100	R-100	SC-100	D-100
Concrete Block	SR-200	CR-200	R-200	—	D-100
Concrete Products (Light Wt.)	SR-100	CR-100	R-100	—	D-100
Concrete Roofing	SR-200	CR-200	R-200	—	D-100
Fiberglas	SR-200	CR-200	R-200	—	D-200
Formica	SR-300	CR-300	R-300	—	D-200
Granite	SR-300	CR-300	R-300	—	D-300
Haydite Block	SR-100	CR-100	R-100	—	D-100
Limestone (Soft)	SR-200	CR-200	R-200	—	D-100
(Dense)	SR-300	CR-300	R-300	—	D-200
Marble	SR-200	CR-200	R-200	—	D-200
Masonite	SR-200	CR-200	R-200	—	D-100
Plastic (Corrugated)	SR-100	CR-100	R-100	SC-100	D-100
Porcelain	SR-300	CR-300	R-300	—	D-300
Pumice Block	SR-100	CR-100	R-100	—	D-100
Sandstone (Dense)	SR-300	CR-300	R-300	—	D-200
Sewer Pipe	SR-200	CR-200	R-200	—	D-100
Slate	SR-300	CR-300	R-300	—	D-200
Terra Cotta Tile	SR-200	CR-200	R-200	—	D-100
Tile (Back-up)					
Coarse, Abrasive	SR-100	CR-100	R-100	—	D-100
Hard, Dense	SR-300	CR-300	R-300	—	D-200
Tile, Glazed	SR-300	CR-300	R-300	—	D-200
Hollow Glazed	SR-300	CR-300	R-300	—	D-200
Natco	SR-300	CR-300	R-300	—	D-200
Pipe	SR-200	CR-200	R-200	—	D-100
Roofing	SR-200	CR-200	R-200	—	D-100
Salt Glazed	SR-300	CR-300	R-300	—	D-200
Structural	SR-200	CR-200	R-200	—	D-100
Unglazed	SR-300	CR-300	R-300	—	D-200
Transite (1/4" and under)	SR-100	CR-100	R-100	SC-100	D-100
(Over 1/4" thick)	SR-200	CR-200	R-200	—	D-100
Vitrified Ceramic Ware	SR-300	CR-300	R-300	—	D-300

USE THIS SPECIAL TABLE.
IT WILL HELP YOU FIND WHAT YOU NEED.

INDEX

This BAY STATE catalog has been specially prepared to help you find the abrasive products you need . . . quickly and easily.

MASONRY SAW BLADE RECOMMENDATIONS

Find the material you want to cut, in the first column of the special table on the opposite page. On the same line, you will find the series recommended for each type of wheel.

In making your choice between a reinforced or non-reinforced blade, consider the way the blade is to be used. When the work and blade are rigidly held so that the blade will not be twisted or bent, non-reinforced blades are often more economical to use. Where severe twisting strains are apt to be placed on the blade, the reinforced type pays off in extra safety.

PORTABLE ELECTRIC SAW BLADE RECOMMENDATIONS

Use the special table for this also. However, since only reinforced blades are recommended for portable applications, find the correct series in the columns headed, Spee-D-Cut BG2, Blue Flash, and Saf-T-Cut, only.

Descriptions, sizes, catalog numbers and special features of the recommended blades can be easily located by referring to the index.

CONCRETE SAW BLADE RECOMMENDATIONS

These are given in detail on pages 6 and 7.

The table and the special pages on concrete saws cover all materials and cutting conditions in common use. For exceptional conditions or special grinding problems, ask for BAY STATE engineering service.

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CONCRETE SAW BLADES

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Saf-T-Cut 6

Diamond 7

PORTABLE ELECTRIC SAW BLADES

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FACTS..... about abrasive



Within the building trade, many conflicting claims are made about the performance, quality, and cost of abrasive products. Not all of these statements can be true! Here are some basic facts which can help you in your important job of deciding which manufacturer and which type of product is best for you.

ABRASIVES: These are sharp particles of Silicon Carbide or Diamond which actually cut the masonry like a chisel or other cutting tool. The quality of abrasives can vary. Bay State uses only the top quality, carefully controlled for uniform particle size.

BONDS: These are the "cements" which hold the abrasive particles together. Resins are used for Silicon Carbide abrasive, and Metal for Diamond. Most important to you is the *strength* of the bond, since it must hold each abrasive grain until it is completely used . . . then let it tear away so that a new one can start cutting!

FORMULAS: Just as the final strength of concrete depends on the "mix" used . . . *volumes* of cement, sand, and water, the cutting qualities of an abrasive blade depend on its "formula" . . . the *weights* of bond and abrasive. Bay State formulas are precisely calculated by electronic computers, with weights given to the millionth of a pound.

REINFORCEMENT: High tensile strength fibers give these blades extra resistance to breakage. Additional reinforcing around the hub is to be expected in well-designed blades. Bay State offers both side reinforced and center reinforced blades. We recommend using reinforced blades on *all* portable saw work and any offhand masonry cutting where the blade may be subjected to twisting.

NON-REINFORCED BLADES: There are fewer manufacturing costs in these than in the reinforced type, so they sell at a lower price. Bay State manufactures and recommends them in sizes for all machines where the motion of blade and work are rigidly controlled.

BLADE LIFE: The rate at which the blade wears away, (sharpens itself) under uniform use, depends upon the bond strength. Higher bond strengths give longer blade life but also tend to decrease the rate of cutting. The "long life" blade may not always be the most economical one!

RATE OF CUT: As explained above, this depends on the bond strength, or "hardness" of the blade, although grit size is important, too. Bay State manufactures a "standard" grade, plus one somewhat "softer" (faster sharpening), for "faster cutting" on hard materials, and one harder for "longer life" (slower sharpening) on soft materials.



products for the building trade.

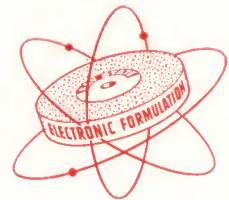
POWER REQUIREMENTS: For best cutting, the speed of the blade should be maintained *while cutting* as near as possible to the maximum R.P.M. stamped on the blade or its blotter. This requires properly tightened belts and full-voltage electrical supply for the motor.

OPERATING COSTS: These are not a matter of simple arithmetic. The "cost per cut," for example, can not be accurately measured by a few cuts. This cost varies widely from the first cut made with the blade to its last cut because the surface speed of the blade becomes steadily slower as the blade becomes smaller. In finding this cost, measure it over the entire life of the blade!

Masonry blades are made for one purpose . . . to supply masons with cut materials, ready to use, when they are needed! You may find, for example, that it is far more economical to use ten "faster cutting" blades, and keep everyone busy, than to use four "longer life" blades which may cost a few tenths of a penny less per cut . . . but which hold up the job! Servicing your masons promptly is important to your economical operation. It should certainly be used as one factor in figuring your real "cost per cut." Look at the *whole* cost picture, and get the blades which keep on *producing profits* for you . . . at the rate you need the material. They will be well worth the price!

DRY AND WET CUTTING: Bay State manufactures blades especially designed for dry cutting, and others specifically for wet cutting. Through its wider and longer experience in manufacturing abrasive products and its vast research facilities, it has also developed blades which give excellent performance either dry *or* wet. This is a special advantage on many jobs where a saw must cut different materials. You don't have to change blades. Just turn the water on . . . or off! The proof that this is practical and efficient? Try any Bay State BG2 blade!

UNIFORMITY: This is what you need most, after you have found the blade or blades which are the biggest help in making profits from your masonry work. Bay State's "Electronic Formulation" is the most advanced method in the industry for giving you this uniformity. The electronic equipment not only computes your blade formula accurately, and without error, but also punches "memory" cards which keep all data for your future orders. Use one box, or a dozen boxes. You'll find each blade exactly like the one you need!



Bay State MASONRY



RESINOID BONDED BLADES

These four blade types cover every masonry saw need, as shown in the complete range of materials to be cut given in the special table opposite the index page. Each is available in a range of grades which provide the proper rate of self-sharpening for best results on the material indicated. Reinforcement is in the middle of the blade or on both sides, as you prefer, and Spee-D-Cut offers all the economy of non-reinforced blades.



*Dry Cutting Blades
and Wet Cutting Blades*

SPEE-D-CUT (Non-Reinforced)

Dry Cutting Blades and Wet Cutting Blades

Catalog Numbers for materials to be cut

BLADE SIZE	Faster Cutting				
	Soft	Med. Soft	Med.	Med. Hard	Hard
12 x 1/8 x 1	R-129	R-130	R-230	R-329	R-330
12 x 1/8 x 1	R-129W*	R-130W*	R-230W*	R-329W*	R-330W*
14 x 1/8 x 1	R-131	R-132	R-232	R-331	R-332
14 x 1/8 x 1	R-131W*	R-132W*	R-232W*	R-331W*	R-332W*
16 x 1/8 x 1	R-137		R-237		R-337
16 x 1/8 x 1	R-137W*		R-237W*		R-337W*
18 x 1/8 x 1	R-138		R-238		R-338
18 x 1/8 x 1	R-138W*		R-238W*		R-338W*

* "W" Shows Wet Cutting Blades.

BF BLUE FLASH (Center Reinforced)

Dry Cutting Blades and Wet Cutting Blades

Catalog Numbers for materials to be cut

BLADE SIZE	Soft	Med.	Hard
12 x 1/8 x 1	CR-129	CR-229	CR-329
14 x 1/8 x 1	CR-131	CR-231	CR-331
14 x 1/8 x 1	CR-131W*	CR-231W*	CR-331W*
16 x 3/32 x 1	CR-134	CR-234	CR-334
18 x 3/32 x 1	CR-135	CR-235	CR-335
20 x 3/32 x 1	CR-136	CR-236	CR-336

*Dry or Wet Cutting. Other sizes for wet cutting on request.

*Dry Cutting
Blades and
Wet Cutting
Blades*



SPEE-D-CUT BG2 (Side Reinforced)

For either Dry or Wet Cutting

Catalog Numbers for materials to be cut

BLADE SIZE	Soft	Med.	Hard
12 x 1/8 x 1	SR-129	SR-229	SR-329
14 x 1/8 x 1	SR-131	SR-232	SR-333
16 x 3/32 x 1	SR-134	SR-234	SR-334
18 x 3/32 x 1	SR-135	SR-235	SR-335
20 x 3/32 x 1	SR-136	SR-236	SR-336

For either Dry or Wet Cutting



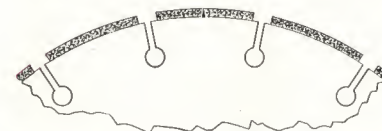
SAW BLADES.....

DIAMOND BLADES

BAY STATE manufactures a complete line of correctly tensioned, highest quality diamond blades for the modern contractor who wants dependable, economical cutting of building materials. Because of its long life and fast cutting rate, a Bay State diamond blade is often the wiser investment for continuous cutting of hard materials.

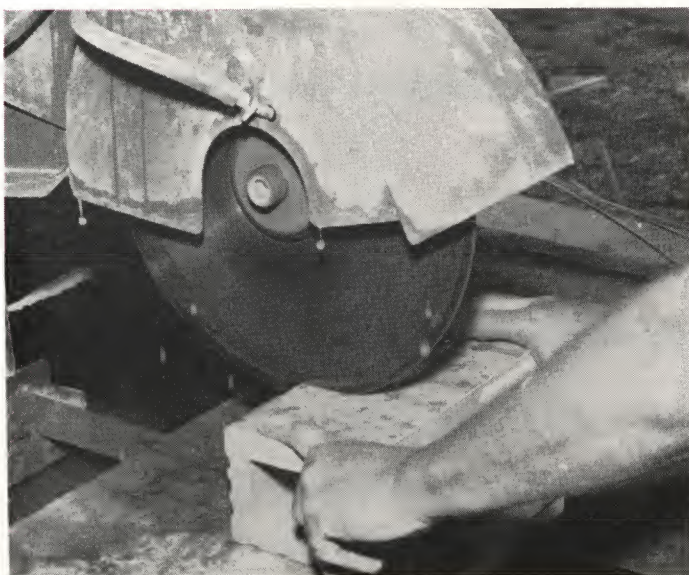
Materials to be cut, and catalog numbers recommended.

Size	Soft	Med.	Hard
14 x .080 x 1	D-101	D-201	D-301
14 x $\frac{3}{32}$ x 1	D-102	D-202	D-302



**SEGMENTAL
SIDES
RELIEVED**

**DIAMOND
IN PERIPHERY
STEEL CENTER**



Long economical life, and the ability to cut even the hardest materials, make the diamond masonry blade an important asset to any building contractor.

Correct blade tensioning (done for you by BAY STATE), and a good flow of water on both sides of the blade at all times are essential for continuous, profitable cutting.



Bay State CONCRETE



CUTTING EXPANSION JOINTS IN GREEN CONCRETE

Lower construction costs and better concrete roads, airport ramps and runways are possible when expansion joints are cut with these Bay State abrasive blades. They cut smooth, long-lasting joints, and let the concrete be poured at lower cost in continuous ribbons.

Fastest, most economical cutting is done with Krete-Kut or Saf-T-Cut blade within 12 hours after pouring. As soon as the green concrete will bear the weight of a concrete saw, the cuts are made to the depth required by local construction codes and engineering specifications. The deepest cuts, 3 to 4 inches, are often made by "step" cutting, using two machines.

In the special method illustrated, the long blade of the huge Vibro Joint machine spanning the slab pushes the large aggregate out of the line where the cut will be made, paving the way for fast, efficient cutting. Actual tests on airport slab construction prove that this can double blade life, while cutting joints faster and at reduced cost.

To determine which type of blade to use for greatest economy, actual cutting tests are recommended, since it has been shown conclusively that large savings can be made by using the *right* wheel for the job.

REINFORCED RESINOID BLADES FOR CUTTING GREEN CONCRETE



KRETE-KUT (BG2AA) 14" Blades*

Catalog Number	Thickness of Blade	Width of Cut
GC-2311	$\frac{1}{8}$	$\frac{3}{16}$
GC-2312	$\frac{3}{16}$	$\frac{1}{4}$
GC-2313	$\frac{5}{16}$	$\frac{3}{8}$
GC-2314	$\frac{3}{8}$	$\frac{7}{16}$



SAF-T-CUT (BZ2AA) 14" Blades*

Catalog Number	Thickness of Blade	Width of Cut
GC-1311	$\frac{1}{8}$	$\frac{3}{16}$
GC-1312	$\frac{3}{16}$	$\frac{1}{4}$
GC-1313	$\frac{5}{16}$	$\frac{3}{8}$
GC-1314	$\frac{3}{8}$	$\frac{7}{16}$

*See Shape "W", illustrated on next page.

Other arbor hole sizes available on request.



SAW BLADES

DIAMOND BLADES

Cutting tests may show the diamond blade to be most economical where large, unusually hard aggregate, or cured concrete must be cut. Bay State Gem Set blades are the answer in these cases. These dependable, uniform blades are available in the sizes and specifications shown below, covering every operation on any standard concrete saw.



For Cutting Green Concrete

CATALOG NUMBERS RECOMMENDED, FOR

Size	Longer Life	General Purpose
10 x .140 x T	D-111	D-211
10 x .140 x K	D-112	D-212
12 x .140 x T	D-113	D-213
12 x .140 x K	D-114	D-214
14 x .140 x T	D-115	D-215
14 x .140 x K	D-116	D-216

For Cutting Cured Concrete

CATALOG NUMBERS RECOMMENDED, FOR

Size	Longer Life	General Purpose
10 x $\frac{3}{32}$ x T	D-121	D-221
10 x $\frac{3}{32}$ x K	D-122	D-222
10 x $\frac{1}{8}$ x T	D-123	D-223
10 x $\frac{1}{8}$ x K	D-124	D-224
12 x $\frac{3}{32}$ x T	D-125	D-225
12 x $\frac{3}{32}$ x K	D-126	D-226
12 x $\frac{1}{8}$ x T	D-127	D-227
12 x $\frac{1}{8}$ x K	D-128	D-228
14 x $\frac{1}{8}$ x T	D-129	D-229
14 x $\frac{1}{8}$ x K	D-130	D-230

For Cutting Asphalt Pavement

CATALOG NUMBERS RECOMMENDED, FOR

Size	General Purpose
12 x .140 x T	D-241
12 x .140 x K	D-242
14 x .140 x T	D-243
14 x .140 x K	D-244

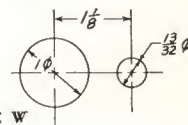
ARBOR SHAPES FOR CONCRETE SAWS

Shape W

CLIPPER, CHAMPION.
EVEREADY, TARGET:

1" Round Arbor with
 $\frac{3}{8}$ " Drive-Pin Hole

SHAPE W



Shape Y

TRI-LINE:

1 $\frac{1}{8}$ " Round Arbor

SHAPE Y

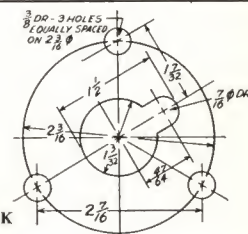


Shape K

CUTCRETE:

1 $\frac{3}{8}$ " Round Arbor
with Key-Way and
three $\frac{3}{8}$ " Drive-Pin Holes

SHAPE K

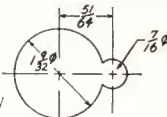


Shape V

CONCUT:

1 $\frac{3}{8}$ " Round Arbor
with Key-Way

SHAPE V



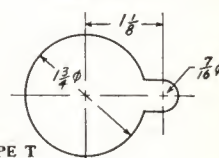
Shape T

FELKER:

1 $\frac{3}{4}$ " Round Arbor
with Key-Way

Bushings available to reduce
Shape T to fit Arbor Shapes
W, V, and Y.

SHAPE T



Bay State Portable



SAF-T-CUT: Most densely bonded. Use for maximum life and economy on soft materials.



SPEED-D-CUT BG2: Combines good wheel life with faster cutting rate on soft to medium materials.

SAF-T-CUT

BLADE SIZE	CATALOG NUMBERS
5 7/8 x 1/8 x N	SC-7
6 x 1/8 x N	SC-8
6 x 1/8 x N	SC-10
6 x 1/8 x 1/2	SC-9
6 x 1/8 x 5/8	SC-11
6 x 1/8 x 1	SC-12
7 x 1/8 x N	SC-14
7 x 1/8 x 5/8	
7 x 1/8 x 3/4	
7 x 1/8 x 1	SC-13
7 x 1/8 x 1 1/8	
8 x 1/8 x N	SC-15
8 x 1/8 x 1/2	
8 x 1/8 x 5/8	
8 x 1/8 x 1	SC-16
8 x 1/8 x 1 3/8	SC-17
8 7/8 x 1/8 x N	SC-18A
9 x 1/8 x N	SC-18
9 x 1/8 x 5/8	
9 x 1/8 x 1	SC-19
9 x 1/8 x 1 3/8	
9 7/8 x 1/8 x N	
10 x 1/8 x N	
10 x 1/8 x 5/8	
10 x 1/8 x 3/4	
10 x 1/8 x 1	
11 7/8 x 1/8 x 1	
12 x 1/8 x N	

SPEED-D-CUT BG2 (Side Reinforced)

CATALOG NUMBERS for materials to be cut		
Soft	Medium	Hard
SR-100	SR-200	SR-300
SR-101	SR-201	SR-301
SR-102	SR-202	SR-302
SR-103	SR-203	SR-303
SR-104	SR-204	SR-304
SR-105	SR-205	SR-305
SR-106	SR-206	SR-306
SR-107	SR-207	SR-307
SR-108	SR-208	SR-308
SR-109	SR-209	SR-309
SR-110	SR-210	SR-310
SR-111	SR-211	SR-311
SR-112	SR-212	SR-312
SR-113	SR-213	SR-313
SR-114	SR-214	SR-314
SR-115	SR-215	SR-315
SR-116	SR-216	SR-316
SR-117	SR-217	SR-317
SR-118	SR-218	SR-318
SR-119	SR-219	SR-319
SR-120	SR-220	SR-320
SR-121	SR-221	SR-321
SR-122	SR-222	SR-322
SR-123	SR-223	SR-323
SR-124	SR-224	SR-324
SR-125	SR-225	SR-325
SR-126	SR-226	SR-326
SR-127	SR-227	SR-327

NOTE: P = 1/2" square hole. N = Combination arbor hole shape.

BLUE FLASH (Center Reinforced)

CATALOG NUMBERS
for materials to be cut

BLADE SIZE	Soft	Medium	Hard
5 7/8 x 1/8 x N	CR-100	CR-200	CR-300
6 x 1/8 x N	CR-101	CR-201	CR-301
6 x 1/8 x P	CR-102	CR-202	CR-302
6 x 1/8 x 1/2	CR-103	CR-203	CR-303
6 x 1/8 x 5/8	CR-104	CR-204	CR-304
6 x 1/8 x 1	CR-105	CR-205	CR-305
7 x 1/8 x N	CR-106	CR-206	CR-306
7 x 1/8 x 5/8	CR-107	CR-207	CR-307
7 x 1/8 x 3/4	CR-108	CR-208	CR-308
7 x 1/8 x 1	CR-109	CR-209	CR-309
7 x 1/8 x 1 1/8	CR-110	CR-210	CR-310
8 x 1/8 x N	CR-111	CR-211	CR-311
8 x 1/8 x 1/2	CR-112	CR-212	CR-312
8 x 1/8 x 5/8	CR-113	CR-213	CR-313
8 x 1/8 x 1	CR-114	CR-214	CR-314
8 x 1/8 x 1 3/8	CR-115	CR-215	CR-315
8 7/8 x 1/8 x N	CR-116	CR-216	CR-316
9 x 1/8 x N	CR-117	CR-217	CR-317
9 x 1/8 x 5/8	CR-118	CR-218	CR-318
9 x 1/8 x 1	CR-119	CR-219	CR-319
9 x 1/8 x 1 3/8	CR-120	CR-220	CR-320
9 7/8 x 1/8 x N	CR-121	CR-221	CR-321
10 x 1/8 x N	CR-122	CR-222	CR-322
10 x 1/8 x 5/8	CR-123	CR-223	CR-323
10 x 1/8 x 3/4	CR-124	CR-224	CR-324
10 x 1/8 x 1	CR-125	CR-225	CR-325
11 7/8 x 1/8 x 1	CR-126	CR-226	CR-326
12 x 1/8 x N	CR-127	CR-227	CR-327

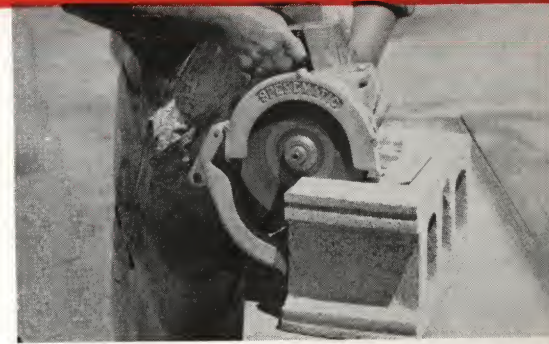
NOTE:
P = 1/2" square hole.
N = Combination
arbor hole shape.

Electric Saw Blades ...

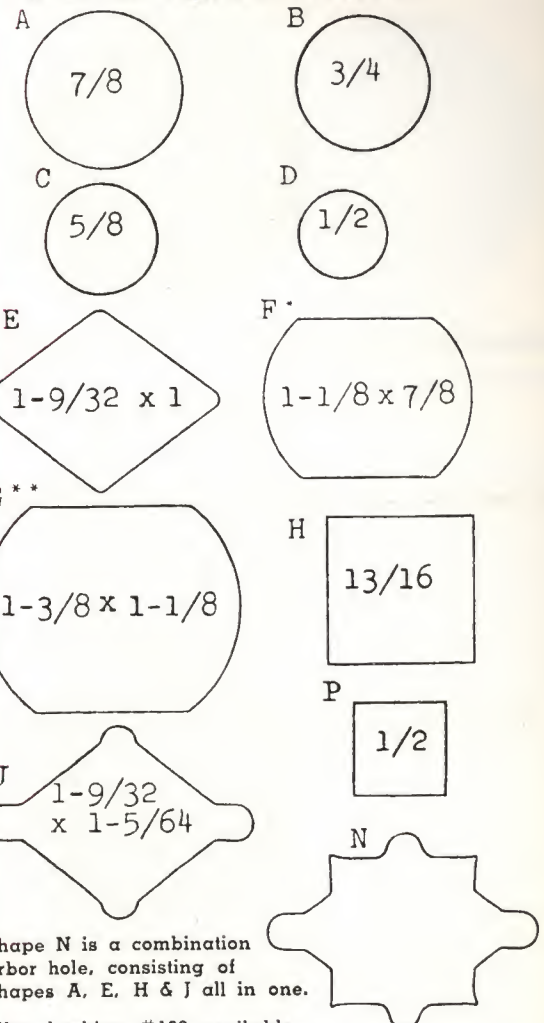
Choose the portable saw blades for your materials from the special table on the inside front cover of this book, using the columns headed Spee-D-Cut BG2, Blue Flash, and Saf-T-Cut. The features and sizes of these blades are given on the page opposite this one. For correct blade and arbor hole sizes, see the table below and the shape drawings to the right.

BLADE SIZES AND ARBOR SHAPES

MANUFACTURER	MACHINE MODEL NO.	BLADE SIZE
Black & Decker Mfg. Co.	62	6 x $\frac{1}{8}$ x $1\frac{1}{8}$
	63	6 x $\frac{1}{8}$ x $\frac{5}{8}$
	70, 75	7 x $\frac{1}{8}$ x $1\frac{1}{8}$
	73	7 x $\frac{1}{8}$ x $\frac{5}{8}$
	80, 85	8 x $\frac{1}{8}$ x $1\frac{3}{8}$
	83	8 x $\frac{1}{8}$ x $\frac{5}{8}$
Thor Power Tool Co.	90, 93, 95	9 x $\frac{1}{8}$ x $1\frac{3}{8}$
	1A, T6	6 x $\frac{1}{8}$ x N
	2A, T7	7 x $\frac{1}{8}$ x N
	3A, T8	8 x $\frac{1}{8}$ x N
	4A	9 x $\frac{1}{8}$ x N
	5, T10	10 x $\frac{1}{8}$ x N
Mall Tool Co.	6A, T12	12 x $\frac{1}{8}$ x N
	60	6 x $\frac{1}{8}$ x P
	65	6 x $\frac{1}{8}$ x N
	72	7 x $\frac{1}{8}$ x P
	70	7 x $\frac{1}{8}$ x N
	75, 85, 86	8 x $\frac{1}{8}$ x N
Montgomery, Ward & Co.	90, 92, 96, 192	9 x $\frac{1}{8}$ x N
	100, 106	10 x $\frac{1}{8}$ x N
	120, 128	12 x $\frac{1}{8}$ x N
Porter Cable Machine	6 $\frac{1}{4}$	6 x $\frac{1}{8}$ x $\frac{1}{2}$
	8	8 x $\frac{1}{8}$ x $\frac{1}{2}$
	K65, 125, A-6	6 x $\frac{1}{8}$ x $\frac{5}{8}$
	K66	6 x $\frac{1}{8}$ x $\frac{1}{2}$
	K75, 115, 521	7 x $\frac{1}{8}$ x $\frac{5}{8}$
	K88	8 x $\frac{1}{8}$ x $\frac{1}{2}$
Skil, Inc.	K88C, K89, A-8, 522, 108	8 x $\frac{1}{8}$ x $\frac{5}{8}$
	K9	9 x $\frac{1}{8}$ x $\frac{5}{8}$
	K10, BK10	10 x $\frac{1}{8}$ x $\frac{3}{4}$
	K12, BK12	12 x $\frac{1}{8}$ x $\frac{3}{4}$
	67	$5\frac{7}{8}$ x $\frac{1}{8}$ x N
	77	7 x $\frac{1}{8}$ x N
Stanley Electric Tool Co.	825	8 x $\frac{1}{8}$ x N
	87	$8\frac{7}{8}$ x $\frac{1}{8}$ x N
	"0," 107	$9\frac{7}{8}$ x $\frac{1}{8}$ x N
	127	$11\frac{7}{8}$ x $\frac{1}{8}$ x N
	W60, H65	6 x $\frac{1}{8}$ x $\frac{3}{4}$
	W7, H70	7 x $\frac{1}{8}$ x $\frac{3}{4}$
	W8, H85	8 x $\frac{1}{8}$ x $\frac{3}{4}$
	W9	9 x $\frac{1}{8}$ x $\frac{7}{8}$
	CC12	12 x $\frac{1}{8}$ x 1



SPECIAL ARBOR SHAPES



Shape N is a combination arbor hole, consisting of shapes A, E, H & J all in one.

Fiber bushing #180 available for reducing $\frac{1}{8}$ " square part of shape N to $\frac{5}{8}$ " round.

*F — $1\frac{1}{8}$ Round hole supplied for this shape.
**G — $1\frac{3}{8}$ Round hole supplied for this shape.

Reducing bushings are available for reducing round arbor holes to smaller diameters.



Bay State SPECIAL PURPOSE



REINFORCED RESINOID RAISED HUB DISC-WHEELS

For use on right angle head portable grinders in all concrete finishing.

BLUE FLASH

For heavy-duty concrete surfacing. Its extra fast cutting action means *real* economy where large amounts of material must be removed.

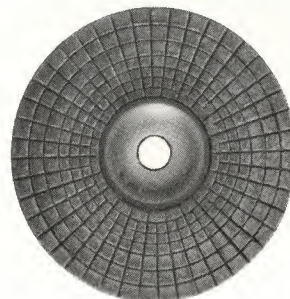
WHEEL SIZE	GRIT SIZE	CATALOG NUMBER
7 x 1/4 x 7/8	16	FC-316
7 x 1/4 x 7/8	20	FC-320
9 x 1/4 x 7/8	16	FC-616
9 x 1/4 x 7/8	20	FC-620



BAYFLEX

For medium material removal in concrete surfacing. Its soft, resilient cutting action provides smooth, easily controlled grinding.

WHEEL SIZE	GRIT SIZE	CATALOG NUMBER
7 x 1/4 x 7/8	16	BC-316-72
9 x 1/4 x 7/8	12	BC-612-11
9 x 1/4 x 7/8	16	BC-616-11



DURACUT ABRASIVE DISCS

For light material removal and fine finishing. The "waffle" patterned face makes it semi-flexible, and ideal for following contours.

WHEEL SIZE	GRIT SIZE	CATALOG NUMBER
7 x 1/8 x 7/8	20	DC-120
7 x 1/8 x 7/8	36	DC-136
7 x 3/16 x 7/8	20	DC-220
7 x 3/16 x 7/8	36	DC-236
9 x 1/8 x 7/8	20	DC-420
9 x 1/8 x 7/8	36	DC-436
9 x 3/16 x 7/8	20	DC-520
9 x 3/16 x 7/8	36	DC-536



BLADES and WHEELS.....

REINFORCED TUCK POINTING WHEELS

Used on portable saws, tuck pointing machines, or flexible shaft grinders, these get the old lifeless mortar out in a hurry! Strongly reinforced for rugged contractor use.

WHEEL SIZE	CATALOG NUMBERS	
	SPEE-D-CUT BG2	SAF-T-CUT
8 x $\frac{3}{16}$ x 1	SR-1141	SC-161
8 x $\frac{1}{4}$ x 1	SR-1145	SC-165



SPEE-D-CUT BG2

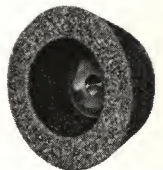


SAF-T-CUT

SPEE-D-CUT FLARING CUP WHEELS (Resinoid Bond)

Heavy duty cup wheels for rough finishing and removal of fins or other irregularities from concrete. Use on heavy-duty right angle grinders or flexible shaft machines with ample power.

WHEEL SIZE	CATALOG NUMBER
4/3 x 2 x $\frac{5}{8}$	RF-1
5/3 $\frac{3}{4}$ x 2 x $\frac{5}{8}$	RF-2
6/4 $\frac{3}{4}$ x 2 x $\frac{5}{8}$	RF-3

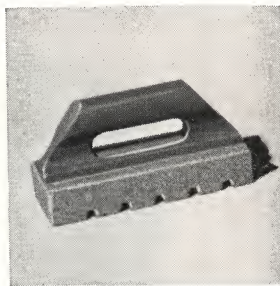
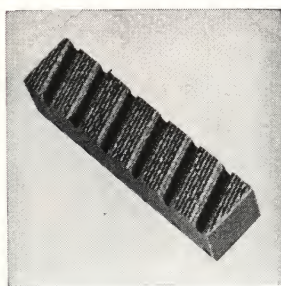


**SPEE-D-CUT
(Resinoid Bond)**



FLUTED BRICKS FOR RUBBING CONCRETE

The use of a fluted brick is the best and quickest way of removing marks left by molds or forms in cement work. In finishing cement it will be found that the flutes have a shearing action and also serve as grooves to carry off the cement dust.



FOLLOWING SIZES AVAILABLE

Cat. No. HR-241 — 2 x 2 x 6 inches

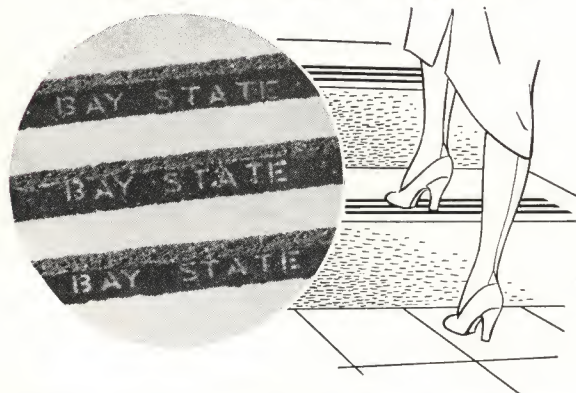
Cat. No. HR-242 — 2 x 2 x 8 inches

Cat. No. HR-250

Size — 1½ x 3½ x 8 inches

A fluted rubbing brick with a wooden handle.

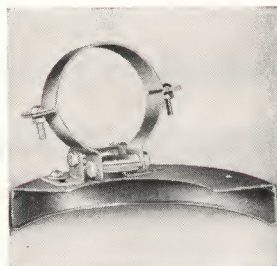
STAIR TREAD INSERTS



These abrasive strips are manufactured in a standard dimension: ¼" wide x ⅜" thick x 18" long, and are available for immediate stock shipment.

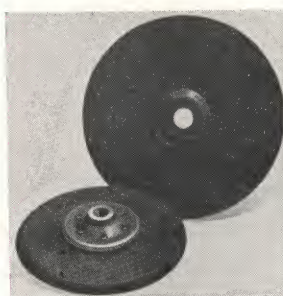
The strips are cemented in the grooves using Portland cement, the grooves having been made enough larger to allow for a 1/32" layer of cement on sides and bottom. The inserts should project 1/32" above stair tread.

Cat. No.	Description	Width	Thickness	Length
ST-1	Non-Slip Stair Tread	¼"	⅜"	18"



SAFETY GUARDS

Recommended for use during all portable grinding operations. Models to fit all standard machines. Specify machine make and model.



BACK-UP PADS

Of micarta or rubber must be used with Dura-Cut discs, covering full diameter of disc. Available in 7" and 9" diameters.

MICARTA (Fiber) PAD

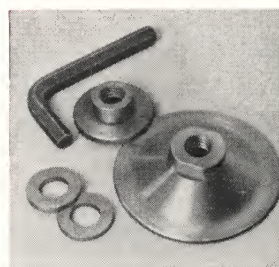
Cat. No. P-200 — 7"

Cat. No. P-201 — 9"

MOULDED (Rubber) PAD

Cat. No. P-202 — 7"

Cat. No. P-203 — 9"

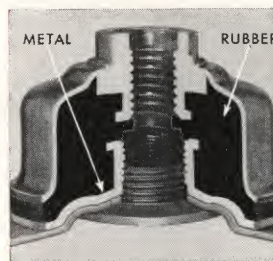


METAL ADAPTOR FLANGES

Designed to give proper support to all BAY STATE raised hub disc-wheels. These are essential for maximum efficiency and safety.

COMMONLY USED SIZES

Cat. No.	Hole	Thread	Cat. No.	Hole	Thread
SF-112	13/16"	12	SF-118	1/2"	13
SF-113	5/8"	11	SF-125	1/2"	20
SF-115	3/8"	16	SF-126	3/16"	18 L.H.

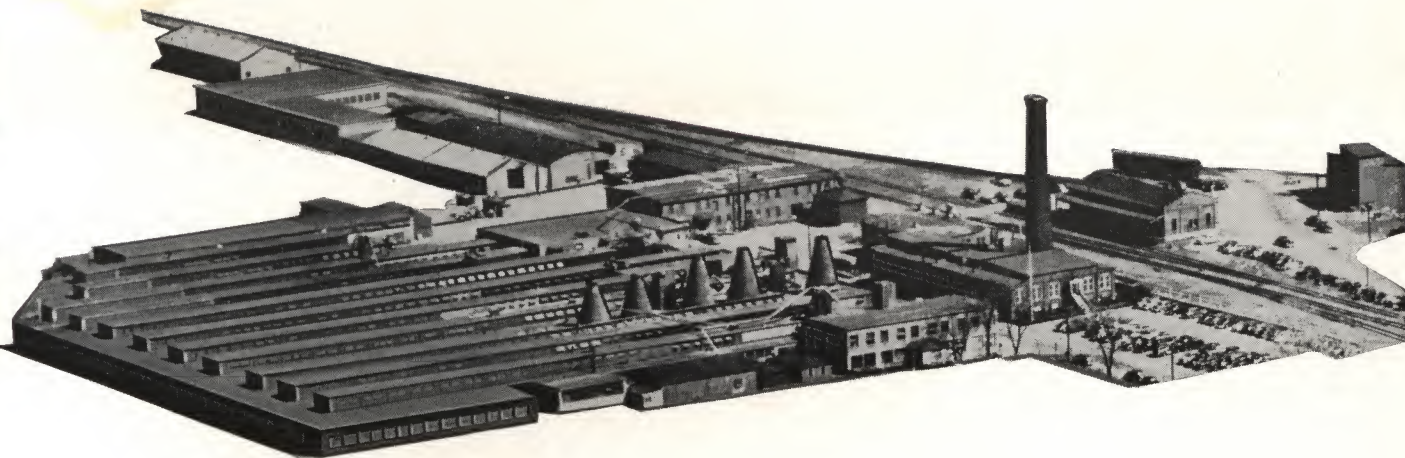


VIBRATION DAMPENERS

Transmit the driving power through special rubber, reducing shock and vibration. Gives smoother grinding action, and increased wheel life.

Order: Model H-2 for 9" wheels.
Model H-1 for 7" wheels.





BAY STATE ABRASIVE PRODUCTS COMPANY

Westboro, Massachusetts, U. S. A.

To Contractors and the Masonry Trade, BAY STATE has long been the dependable source of advanced, high quality abrasive products. The special cutting properties and blade construction developed by BAY STATE have contributed much to the modern efficiency and rapid development of the whole building industry.

Call in your BAY STATE REPRESENTATIVE for top-flight products or engineering service on any type of masonry-cutting problem.

BRANCH OFFICES AND WAREHOUSES:

Bristol, Conn., Chicago, Cleveland, Detroit, Pittsburgh.

DISTRIBUTORS:

All principal cities.

IN CANADA:

**Bay State Abrasive Products Co. (Canada) Ltd.,
Brantford, Ontario.**





... For well over a quarter of a century BAY STATE has consistently supplied *Highest Quality* grinding wheels and allied abrasive products to world-wide industry. This steadfast Quality aim has been a major factor in BAY STATE'S recognition as a leader in the entire abrasive industry.

*Conscientious, skilled craftsmanship . . .
Modern Manufacturing Equipment . . .
Research Facilities . . . Personnel with
Extensive Engineering Background . . .
Patented Manufacturing Features . . .* these factors all contribute to BAY STATE'S continued aim to keep Quality paramount at all times.



BAY STATE ABRASIVE PRODUCTS CO.

Westboro, Massachusetts, U. S. A.



BAY STATE ABRASIVE PRODUCTS COMPANY

WESTBORO, MASSACHUSETTS U. S. A.
TELEPHONE FOREST 6-4433

Dear Mr. Jorgensen:

November 5, 1957

Thank you for your interest in our products.

We hope you will find the enclosed material helpful, for frankly we would like to be of service to you in every possible way. Even more than grinding wheels, our business is to improve your grinding operations.

In other words, through "on-the-job" engineering we make every effort to assure that our products...grinding wheels, honing stones, reinforced discs, Gritcloth, or whatever they may be...do a better job, save more time and money, and lead to greater output than anything our customers have used before.

An important by-product of this policy is the growing reputation of our engineers as top-notch trouble-shooters...and customer respect for the high level of their abrasive engineering skill.

In support of our engineers in the field, we place a great deal of emphasis on research and development...and, of course maintain strict quality control in our manufacturing.

Now, the question is...what can we do for you? We would like to have one of our experienced abrasive engineers see to what extent we can improve your grinding efficiency. There's no obligation, of course.

Bay State Abrasive Products Co.

E. W. Farmer
Advertising Manager

EWFarmer/mk
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P.S. Our representative in your area, who is being informed of your interest, is Robert J. Yochum, 571 Locust St, Webster Groves 19, Missouri
Phone: Woodland 1-4845